7900026

# THUE DAILHED SHAMES OF AMIERIOA

# Ferry-Morse Seed Company

Withereas, there has been presented to the

## Secretary of Agriculture

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF eighteen years from the date of this grant, subject to the payment of the required fees and periodic replenishment of viable basic seed of the variety in a public repository as provided by LAW, the right to exclude others from selling the variety, or offering it for sale, or reproducing it, importing it, or exporting it, or using it in producing a hybrid or different therefrom, to the extent provided by the Plant Variety Protection Act 1542, as amended, 7 u.s.c. 2321 et seq.)

### CHRYSANTHEMUM

'Applause Bronze Shades'

In Testimony Watercot, I have hereunto set my hand and caused the seal of the Plant Variety Protection Office to be affixed at the City of Washington this 10th day of Pecember in the year of our Lord one thousand nine hundred and eighty-one.

Attest

Sprask & Vice Commissioner Plant Variety Protection Office

Grain Division Agricultural Marketing Service John R Block Jordans of Styriculture

| -      | UNITED STATES DEPARTME   | NT OF ACRICULTUR   |  |   |                       |                       |
|--------|--|--|--|---|-----------------------|-----------------------|
| ΛD     | AGRICULTURAL MARK<br>LIVESTOCK, POULTRY, GRA   | (ETING SERVICE<br>JIN & SEED DIVISION  |  | No certificate for pla                        | FORM API<br>OMB NO. 4 | 40-R3822<br>:tion may |
| INS    | PLICATION FOR PLANT VARIE TRUCTIONS: See Reverse.  |  |  | be issued unless a co<br>has been received (5 | empleted applicat     | ion form              |
| 1a.    | TEMPORARY DESIGNATION OF VARIETY   | 16. VARIETY NAME BRONZE  |  | FOR OFFICIAL USE ONLY                         |                       |                       |
|        | E8208  | APPLAUSE >   | DOB DOB  | PV NUMBER 7900                                | 026                   |                       |
| 2.     | KIND NAME  | 3. GENUS AND SPE   |  | FILING DATE                                   | 3.00                  | A.M.                  |
|        | Chrysanthemum, Seed Type   | Chrysanther Morifolium   |  | 12-12-78                                      |                       | P.M                   |
| 4.     | FAMILY NAME (BOTANICAL)  | 5. DATE OF DETER   |  | \$500.00                                      | 12-12-                | ባ ያ                   |
|        | Compositae   | January  |  | \$ 250.00                                     | 10/26                 | <del>/81</del>        |
| 6.     | NAME OF APPLICANT(S)   | 7. ADDRESS (Street   | t and No. or R.F.D. No.,   | City, State, and ZIP                          | 8. TELEPHONE          |                       |
|        | Ferry-Morse Seed Company   |  | Ferry-Morse Way  |   | CODE AND              |                       |
|        | Dr. Scott C. Trees,<br>Breeder   | a contract of the contract of  | . Box 100<br>tain View, CA   | 94042   | 415-967-              | .69/3                 |
| 9.     | IF THE NAMED APPLICANT IS NOT A PE   | RSON, FORM OF  |  | ED, GIVE STATE AND                            | 11. DATE OF I         | NCOR.                 |
|        | ORGANIZATION: (Corporation, partnersh  | ip, association, etc.)   | DATE OF INCOR  | PORATION                                      | PORATION              |                       |
|        | Corporation  |  |  | April 7, 1969                                 | April 7,              |                       |
| 12.    | NAME AND MAILING ADDRESS OF APPI<br>ALL PAPERS: Mr. Donald D.  | ICANT REPRESENTA   | AIIVE(S) IF ANY TO S<br>Executive Vice   | ERVE IN THIS APPLIC                           | ATION AND RE          | CEIVE                 |
|        | Ferry-Morse S  | eed Company  |  |   |                       |                       |
|        |  | se Way, P. O.  | Box 100  |   |                       |                       |
| 13.    | Mountain View CHECK BOX BELOW FOR EACH ATTACH  | CA 94042 IMENT SUBMITTED:  |  |   |                       |                       |
|        | X 13A. Exhibit A, Origin and Bree  | A Company of the Comp | Variator (San Santiau 6  | 22 - £ 41 DI 17 14                            | . D                   |                       |
|        |  |  | variety (see section s   | 2 0j ine Plant Variet                         | y Protection Ac       | t.)                   |
|        | X 13B. Exhibit B, Novelty Statement.   |  |  |   |                       |                       |
|        | X 13C. Exhibit C, Objective Descri   | iption of the Variety  | (Request form from   | Plant Variety Protect                         | ion Offica \          |                       |
|        |  |  |  | - mill runely 110lect                         | ion Office.)          |                       |
|        | 13D. Exhibit D, Additional Desc  | cription of the Varies   | ty.  | 11 / A  |                       |                       |
| 14a.   |  | SEED OF THIS VAR   | ETY BE SOLD BY VAF   | HETY NAME ONLY AS                             | A CLASS OF CE         | BTIFIED               |
|        | SEED? (See Section 83(a). (If "Yes," answe   | r 14B and 14C below.)  | YES X  |   |                       | ***********           |
| 14b.   | DOES THE APPLICANT(S) SPECIFY THAT<br>LIMITED AS TO NUMBER OF GENERATI   | THIS VARIETY BE  | 14c. IF "YES," TO 14   | B, HOW MANY GENER                             | ATIONS OF PRO         | DUC-                  |
|        | YES NO   | ONS  | TION BEYOND B  |   |                       | _                     |
| 15-    |  |  | FOUNDATION   | REGISTERED                                    | CERTIFIED             |                       |
| 158.   | DID THE APPLICANT(S) FILE FOR PROTI  | ECTION OF THIS VAF   | RIETY IN OTHER COUN  | ITRIES? TYES                                  | X NO (If "Ye          | es," give             |
|        | the group of the same of   | 16.00 (6.01) 50  | Control of which is  | and the first of                              |                       |                       |
|        | (1) 1 (1) (1) (1) (1) (1) (1) (1) (1) (1   | A CONTRACTOR   |  |   |                       |                       |
| 15b,   | HAVE RIGHTS BEEN GRANTED THIS VA   | RIETY IN OTHER CO  | UNTRIES? TYES  | X NO (If "Yes,"                               | give name of cour     | atrioc                |
|        | and dates.)  |  | ngay ten <b>ju</b> a <del>te</del> n.  | <u> </u>                                      | give name of cour     | 111163                |
|        |  |  |  |   |                       |                       |
|        | Tega e v   | erio e e e e e e e e e e e e e e e e e e e   | 35 per 11 de 1 |   |                       |                       |
| 16.    | DOES THE APPLICANT(S) AGREE TO THE JOURNAL?  | PUBLICATION OF H   | IIS/HER (THEIR) NAME   | (S) AND ADDRESS IN                            | THE OFFICIAL          |                       |
| 17.    | The applicant(s) declare(s) that a viable  | sample of basic seed   | l of this variety will be  | e furnished with the a                        | pplication and        | will be               |
|        | replenished upon request in accordance   | with such regulation   | ns as may be applicabl   | e.  |                       |                       |
| ٠.     | The undersigned applicant(s) is (are) the  | e owner(s) of this se  | xually reproduced nov  | vel plant variety, and i                      | believe(s) that t     | he                    |
| 1 2    | variety is distinct, uniform, and stable as required in Section 41, and is entitled to protection under the provisions of Section 42 of the Plant Variety Act. |  |  | ection  |                       |                       |
|        |  | manuaca  |  |   |                       |                       |
| . :    | Applicant(s) is (are) informed that false  | representation here  | ın can jeopardize prot   | ection and result in p                        | enalties.             |                       |
| (5 = 1 | 11/30/78   | Market Service   | hu. Mill   | YMORSE SEED                                   | COMPANY               |                       |
|        | (DATE)   |  |  | IGNATURE OF APPLI                             |                       |                       |
|        |  | er i de en   |  | CUTIVE   VICE (FI                             |                       |                       |
| _      | (DATE)   | And the  | . 4 (a   | 101147117                                     |                       | <del></del>           |
|        | ()   | AND THE STATE  | (S   | IGNATURE OF APPLIC                            | CANT)                 | 1                     |

FORM GR-470 (1-78)

#### INSTRUCTIONS

GENERAL: Send an original copy of the application and exhibits, at least 2,500 viable seeds, and \$500 fee (\$250 filing fee and \$250 examination fee) to U.S. Dept. of Agriculture, Agricultural Marketing Service, Livestock, Poultry, Grain and Seed Division, Plant Variety Protection Office, National Agricultural Library Building, Beltsville, Maryland 20705. (See section 180.175 of the Regulations and Rules of Practice.) Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

#### ITEM

- Give the date the applicant determined that he had a new variety based on (1) the definition in section 41(a) of the Act and (2) the date a decision was made to increase the seed.
- Give: (1) the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method; (2) the details of subsequent stages of selection and multiplication; (3) the type and frequency of variants during reproduction and multiplication and state how these variants may be identified and (4) evidence of uniformity and stability.
- Give a summary statement of the variety's novelty. Clearly state how this novel variety may be distinguished from all other varieties in the same crop. If the new variety most closely resembles one or a group of related varieties:

  (1) identify these varieties and state all differences objectively; (2) attach statistical data for characters expressed numerically and demonstrate that these differences are significant; and (3) submit, if helpful, seed and plant specimens or photographs of seed and plant comparisons clearly indicating novelty.
- Fill in the Exhibit C, Objective Description form, for all characteristics for which you have adequate data.

Br.T.

- Describe any additional characteristics that are not described, or whose description cannot be accurately conveyed in Exhibit C. Use comparative varieties as is necessary to reveal more accurately the description of characteristics that are difficult to describe, such as, plant habit, plant color, disease resistance, etc.
- If "YES" is specified (seed of this variety be sold by variety name only as a class of certified seed) the applicant may NOT reverse his affirmative decision after the variety has either been sold and so labeled, his decision published, or the certificate has been issued. However, if the applicant specified "NO," he may change his choice. (See section 180.16 of the Regulations and Rules of Practice.)
- See section 42 of the Plant Variety Protection Act and section 180.7 of the Regulations and Rules of Practice.

### EXHIBIT A - ORIGIN AND BREEDING HISTORY

VARIETY: E8208

E8208 was originally a single plant selection made in 1969 out of Sutton's Early Flowering Dwarf Mix (see attached pedigree). This selection was chosen primarily for daylength insensitivity. In following generations, until 28949J/75, selections were made with primary emphasis on daylength insensitivity, with secondary emphasis on dwarfness of habit and for compact, mound shaped plants. 28949J/75 was selected for its bronze color, as well as daylength insensitivity and its compact habit. In 1976, it was judged that the line was uniform enough for mass crossing, and again the selection was for improved bronze color, and compact habit. Day length insensitivity was quite uniform throughout the line at this point.

In 1977, the line was quite uniform, all plants being compact, dwarf, daisy flowered, and bronze or a shade of bronze, and the plants bloomed 90 to 100 days after sowing, anytime of the year. January 10, 1978, the line was given the experimental designation of E8208.

### SUPPLEMENT TO EXHIBIT A 2-1-81

Seed increases of E8208 since 1976 have yielded plants quite uniform for habit and daylength insensitivity. Trial rows of E8208 grown from the 1976 mass increase bloomed 90 to 100 days after sowing, and plant habit was uniform. Also, plants from the 1979 seed increase (two generations removed from the 1976 seed increase) were not distinguishable, in the same trial, from the 1976 mass increase.

Normal variation in E8208 can be found in flower color and flower form. The majority of plants will have reddish-bronze flowers of the single daisy type. Colors can vary from orange to dark red. Flower form varies from single daisy to semi-double daisy, with three or four plants out of 100 showing semi-quilled or semi-spoon type petals.

### CHRYSANTHEMUM - PEDIGREE:

### E8208

| 55321 Mass/78 | 5 plants mass crossed (dwf bronze, E8208).   |
|---------------|--|
| 48171 Mass/77 | 10 plants mass crossed (dwarf red-bronze).   |
| 39333 Mass/76 | 12 plants mass crossed (dwarf red-bronze shades).  |
| 28949J/75     | Single plant selection for selfing (v. dwf. red-<br>bronze). (28949 was segregating for yellow and<br>bronze). |
| 22926E/74     | Single plant selection for selfing. (22926 was segregating for color)  |
| 1041D/73      | Single plant selection (extra early dwarf yellow) for selfing. (1041 segregating)                              |
| 343D/72       | Single plant selection (extra early dwarf pink) for selfing.   |
| 3814J/70      | Single plant selection for selfing.  |
| 1969          | Single plant selection from Sutton's early flowering dwarf mix.  |

SUPPLEMENT TO CHART: (2-1-81)

Please note that the main selection criteria for each generation was early blooming (daylength insensitivity), and for color. Selection against self incompatibility was not a criteria, and in fact many of the selfed plants yielded very small amounts of seed, indicating some self incompatibility.

### EXHIBIT B: DATA INDICATIVE OF NOVELTY

VARIETY: E8208

In 1977, E8208 was compared with F<sub>1</sub> Fanfare, from T. Sakata & Co.; Monarch Korean Sunset Mix, from Hurst Gunson Cooper Taber Ltd.; Chrysanthemum Indicum Charm Mix; from Hurst Gunson Cooper Taber Ltd.; and F<sub>1</sub> Autumn Queen, from T. Sakata & Co. In 1978, E8208 was compared with Chrysanthemum Japonicum Eriso Semi Dwarf Mix from Clause Seed Co.

E8208 is distinct and unique by combining in one breeding line the characteristics of: Dwarfness and uniformity of plant habit; daylength insensitivity, and restricting flower color to shades of bronze.

| ,                                     | Time to First<br>Bloom (Days) | PLANT DESCRIPTION   |
|---------------------------------------|-------------------------------|---|
| E8208                                 | 90 - 100                      | Compact plant. Blooms cover foliage. Flowers are all daisy type bronze shades. Plants 18-28 cm tall.  |
| F1 Fanfare                            | Very day length sensitive     | Upright plants, blooms on upper parts of plants only, no blooms on sides. Flowers of all colors. Flowers from singles to doubles. Plants 40-50 cm. in height. |
| Eriso Semi Dwarf Mix O.P.             | 130 = 160                     | Upright plants, blooms predominately on upper portion of plants. Flowers of all colors. Plants 40-50 cm in height.  |
| Monarch Korean<br>Sunset Mix          | 130 - 160                     | Upright plants. Flowers of all colors. Not uniform for height. Plants 30-50 cm in height.   |
| F1 Autumn Queen                       | Very day length sensitive     | Uniform for height. Flowers of all colors. 23-33 cm in height.  |
| Chrysanthemum<br>Indicum Charm<br>Mix | 130 - 160                     | Compact plants, variable for height. Flowers of all colors. Plants 23-33 cm in height.  |

### SUPPLEMENT TO EXHIBIT B 2-1-81

In 1980, E8208 was compared to seed chrysanthemums F1 Golden Dream (Sakata Co.), and to Petite Point Mix (from Bodger Seed Co.). All were sown on 4-17-80, some sixty days prior to the longest day of the year. This was an attempt to have bud initiation coincide with the longest photoperiod day of the year, to show that E8208 does exhibit a high degree of daylength insensitivity. Over 75% of the E8208 trial rows were blooming 100 days after sowing, with the remainder blooming within the next 10 days.

F1 Golden Dream had buds with some color showing 157 days after sowing, with 75% of the plants in bloom 180 days after sowing.

Petite Point Mix had its first bloom 120 days after sowing, with 50% of the plants in bloom 180 days after sowing.

E8208 is most similar to the chrysanthemum Charms Mixed, from Sutton Seed Co., in that plant habits are similar. E8208 differs significantly from Charms Mixed in being earlier to bloom, more uniform in height, and E8208 is shades of bronze compared to the mix of color in Charms.

SUTTON'S CHARM

CHARMS MIXED = SUTTON'S CHARM DUB ZISEPT BI

# UNITED STATES DEPARTMENT OF AGRICULTURE Agricultural Marketing Service, LPGS Plant Variety Protection Office Beltsville, Maryland 20705

# OBJECTIVE DESCRIPTION OF VARIETY

| CHRISANTHEMUM (Chrysanthemm spp.)  |                                     |                                       |  |
|--|-------------------------------------|---------------------------------------|--|
| Name of Applicant  | Temporary Designation               |                                       |  |
| FERRY-MORSE SEED COMPANY   | E8208                               | APPLANSE Bronze Shades                |  |
| Address (Street and No. or R.F.D. No., City, State, and Zip Code)  For Official Use Only PVPO Number   |                                     |                                       |  |
| 111 Ferry-Morse Way, Drawer 7274, Mountain   | n View, CA 94042                    | 7900026                               |  |
| Describe first year unpruned plants grown in full sun. Place numbers in the boxes (e.g., 089) to indicate the character expressions which best describe this variety. Specify the appropriate variety name in the blanks provided when supplying comparative data. Whenever possible, use a recognized color chart (see page 6). Specify color chart used: NICKERSON COLOR FAN (Manufactured by Munsell Color Company) |                                     |                                       |  |
| 1. SPECIES NAME:   |                                     |                                       |  |
| 1  | Ramat. 2= other (sp                 | ecify)                                |  |
| 2. PLANT TYPE (at full bloom):  [ ] Garden habit:  |                                     |                                       |  |
| l= Cushion <u>flora</u><br>(Minnwhite)   | al canopy extending to              | ground line                           |  |
| 2= Mound <u>floral</u><br>(Ruby Mound)   | canopy ending above gr              | ound line                             |  |
| 3= Upright nonspreading (Polar Star)   | h= Upright sp<br>(Autumn Fi         |                                       |  |
| 5= Decumbent spreading<br>(Golden Carpet)  |                                     |                                       |  |
| Height:  | Width:                              |                                       |  |
| 0 2 0 cm *Petit  |                                     | *Petite                               |  |
| 2 0 cm shorter than Point  | <del></del>                         | er than Point Mix.                    |  |
| same height as   | same w                              | idth as                               |  |
| cm taller than *PETITE POINT MI  |                                     | · · · · · · · · · · · · · · · · · · · |  |
|  | P.O. Box 5090<br>El Monte, CA 91734 | 6                                     |  |

| 0 | 0 | Photo-response number of weeks after initiation of lles hour short  |
|---|---|---|
|   |   | day photoperiods until plant with fully open flowers (under natural |
|   |   | flowering response; photo-insensitive = 00).                        |

Temperature response -- inhibitory effect of temperature on normal development of visible flower buds (with controlled temperature and short photoperiods of less than 13 hours; Cathey 1954).

l= inhibition at 50°F (thermopositive)

2= inhibition at 70°F (thermonegative)

3= no ihibition at 50 or 70°F (thermozero)

3. LEAF (observe mature leaves attached near midpoint of stem before initiation of flower buds):

2 Color of upper surface:

1= light green
 (Mesabi)

2= medium green

3= dark green
 (Minnruby)

1 Texture:

1= soft

2= leathery

2 Margins of major basal sinuses:



1= divergent

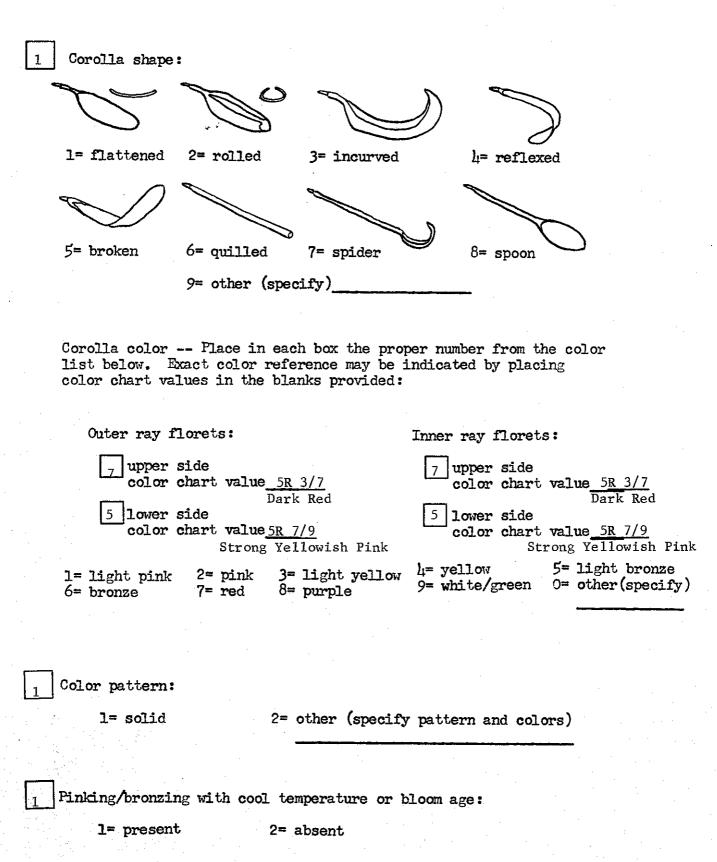


2= parallel



3= convergent

| <b>4.</b> | FLOWER HEAD (observe fresh fully op                    | en blooms):            |  |
|-----------|--|------------------------|--|
|           | Diameter:  | Height:                |  |
|           | 0 4 0 mm   | 0 1 5 mm               |  |
|           | mm narrower than same diameter as Petite mm wider than | Point S                | shorter than<br>ame height as <u>Petite Point Mix</u><br>higher than       |
|           | Receptacle diameter (include disk                      | florets when pr        | esent):  |
|           | 1 0 mm   |                        |  |
| 1         | Type (number of ray floret rows gi                     | ven in parenthe        | ses):  |
|           | l= single (1) 2= semi-                                 | double (2 to 5)        |  |
|           | 3= double (>5, disk florets pre                        | sent at center)        |  |
|           | h= fully double (>5,disk flore                         | ts absent at ce        | nter)  |
| <b>3</b>  | Bloom classification (according to                     | National Chrys         | anthemum Society, 1978):   |
|           | 7= single and semi-double 8= a                         | intermediate in        | 3= regular incurve<br>curve 6= pompon<br>9= spoon<br>12= brush and thistle |
| 2         | Bloom scent:   |                        |  |
|           | l= absent 2= 1   | present                | •  |
| 5.        | RAY FLORETS (observe fresh fully open                  | en blooms):            |  |
| 1         | Corolla tips:  |                        |  |
|           |  |                        | 4 3  |
|           | l= pointed 2= rounded 3= den                           | tate h= lacir<br>fissu |  |



| 6.  | DISK FLORETS (at anthesis):   |
|-----|---|
|     | Distribution:   |
|     | l= center of head, conspicuous 2= center of head, inconspicuous   |
|     | 3= mostly scattered among ray florets 4= absent   |
|     | Corolla color:  |
|     | l= yellow 2= brown 3= black 4= other (specify)  |
|     | color chart value 5Y 8/12 Vivid Yellow  |
| 2   | Corolla shape:  |
|     | l= tubular 2= funnel 3= petaloid  |
| 7.  | DISEASE REACTION (O= not tested l= susceptible 2= resistant):   |
| े 0 | Powdery Mildew (Erysiphe cichoracearum)   |
| 0   | Rust ( <u>Puccinia chrysanthemi</u> )   |
| 0   | Leafspot (Septoria chrysanthemi)  |
| 0   | Wilt (Verticillium spp.)  |
| 0   | Gray Mold/Petal Rot (Botryis cinerea)   |
| 0   | Ray Blight (Mycosphaerella ligulicola)  |
| 0   | Bacterial Blight (Erwinia carotovora)   |
| 0   | Crown Gall (Agrobacterium tumefaciens)  |
| 0   | Other (Specify)   |
| 8.  | Indicate a variety that most closely resembles the variety submitted  for the following characters:  CHARMS MIKED = SUTTON'S CHARM DOR ZISPIRI  Character Name of Variety Character Name of Variety |

ZEST(Plant Pat.4227) CHARMS MIXED from: Suttons Seeds Ltd, Held Rd, Torquay, Devon, TQ2, 7QJ, Great Britai:

CHARMS MIXED

CHARMS MIXED

CHARMS MIXED

Flower Size

Flower Shape

Flower Color

CHARMS MIXED

CHARMS MIXED

Plant Habit

Plant Size

Leaf Shape

### REFERENCE

Cathey, H.M. 1954. Temperature classification of chrysanthemum. Bull. N.Y. State Flower Growers 104: 1.

National Chrysanthemum Society. 1978. Handbook on chrysanthemum classification. National Chrysanthemum Society, Inc., U.S.A.

### SUGGESTED COLOR CHARTS

Munsell Color Co., Inc. 1966. Munsell book of color. Baltimore.

The Royal Horticultural Society. 1966. R.H.S. colour chart. London.

U.S. Department of Commerce, National Bureau of Standards. 1976. National Bureau of Standards standard reference material 2107 color kit. Washington, D.C.

### EXHIBIT C - OBJECTIVE DESCRIPTION OF VARIETY

VARIETY - E8208

Comparison varieties used in the objective description were chosen because they are seed propagated varieties. E8208 was developed to be grown from seed, and to compete in the marketplace with the varieties mentioned in exhibit B, and therefore it was felt that comparisons would be more appropriate between E8208 and other seed propagated mums.

### EXHIBIT D - BOTANICAL DESCRIPTION OF THE VARIETY

### VARIETY E8208

Plants grown in the field are 18 to 28 cm in height when mature, with a spread of 10 to 20 cm. Plant habit is very branched, the plants having the basic shape of a half sphere. All parts of the plant have a strong chrysanthemum scent.

The leaves are dark green and slightly pubescent above, and densely tomentose and lighter green underneath. The leaves are alternate, and are ovate to lanceolate insshape, with margins coarsely toothed to deeply dissected.

Flower peduncles emerge from leaf and apex axils, one peduncle per axil. Each peduncle terminates in a flower head, which opens to form a radiate disc flower. In full bloom, the plant is covered with flowers; the flowers being held above and covering the foliage. Each individual flower is 3 to 4 cm wide, with a center disc approximately 1 cm across. The center disk is invariably yellow; ray flowers have entire margins and range in color from light orange-bronze to dark copper red, and are more heavily pigmented above than below. The ray flowers are arranged in one to three rows. The ray flower petals are 1.6 cm in length, and are .3 cm in width. Involucre scales are imbricated and appressed.

Seed is sepia colored, approximately 1.5 mm long, and less than .5 mm thick, with an elongated elipsoid shape.

The seed germinates readily, and E8208 has demonstrated flowering 90 to 100 days after sowing, and has shown some insensitivity to daylength affects on flowering.

### 7900026

| Plant | Variety | Protection | Application |
|-------|---------|------------|-------------|
| No:   |         |            |             |

### ASSIGNMENT

EXHIBIT "E"

I, SCOTT C. TREES , agree and hereby do transfer and assign to FERRY-MORSE SEED COMPANY all of my rights, title, and interest in and to that certain variety namely, CHRYSANTHEMUM E8208, for which application for Plant Variety Protection Certificate has been filed. This agreement shall be binding on my administrators, successors and assigns.

In Witness Whereof, I have executed this agreement this 3rd day of November, 1978.

BREEDER

ASSIGNMENT OF INTELLECTUAL PROPERTY

WHEREAS, HARRIS MORAN SEED COMPANY, a corporation duly organized and

existing under the laws of the State of Maryland, having its principal place of business at 4511

Willow Road, Suite 3, Pleasanton, California 94588 ("Assignor"), has, pursuant to that certain

Bill of Sale and Assignment dated as of June 30, 1997, transferred to FERRY-MORSE SEED

COMPANY (CALIFORNIA), a corporation duly organized and existing under the laws of the

State of California, having its principal place of business at 555 Codoni Avenue, P.O. Box 4938,

Modesto, California 95352-4938 ("Assignee"), all of the intellectual property Assignor had

adopted, used and was using as of the effective date of this Assignment, including without

limitation, the intellectual property represented by the United States Plant Variety Protection

Certificates of Assignor identified on Schedule A hereto (collectively, the "Property"); and

WHEREAS, on the date hereof, Assignee has changed its name to "Harris Moran Seed

Company";

NOW, THEREFORE, effective by this instrument as of the close of business on

June 30, 1997, and for good and valuable consideration, receipt of which is hereby

acknowledged, Assignor hereby assigns to Assignee any and all right, title and interest

worldwide in and to the Property and any and all recordations thereof, including, but not limited

to, the use of the Property in any manner, all benefit of any and all prior use of the Property, and

any and all rights to initiate claims or proceedings for past, present or future infringements of

Assignor's rights, title and interest in and to the Property.

Dated: as of June 30, 1997

HARRIS MORAN SEED COMPANY

NEWY01A:171511:1:09/26/97

26757-1

UICOUPA

## CERTIFICATE OF AMENDMENT

OF THE

## ARTICLES OF INCORPORATION

ENDORSED
FILED
the office of the Socretary

In the office of the Secretary of State of the State of California

JUN 3 0 1997

FERRY-MORSE SEED COMPANY (CALIFORNIA)
(a California corporation)

**OF** 

To the Secretary of State State of California

Pursuant to the provisions of the General Corporation Law of the State of California, the undersigned officers of FERRY-MORSE SEED COMPANY (CALIFORNIA), a California corporation (the "Corporation"), do hereby certify as follows:

- 1. The name of the Corporation is Ferry-Morse Seed Company (California).
- 2. Article One of the Corporation's Articles of Incorporation, which relates to the name of the Corporation, is hereby amended in its entirety to read as follows:

One. The name of this Corporation is: HARRIS MORAN SEED COMPANY.

- 3. The amendment herein provided for has been approved by the Corporation's Board of Directors.
- 4. The amendment herein provided for was approved by the written consent of the Corporation's sole shareholder in accordance with the provisions of Section 902 of the California General Corporation Law. The total number of outstanding shares of the corporation is 5,000.

IN WITNESS WHEREOF, each of the undersigned does hereby declare under the penalty of perjury that he or she signed the foregoing Certificate of Amendment as of June 30,

1997, in the Town of Modesto, State of California, in the official capacity set forth beneath his or her signature and that the statements set forth in this certificate are true of his or her own knowledge.

Yves Queste, President

Helen Andritsakis, Secretary



SECRETARY OF STATE



I, *BILL JONES*, Secretary of State of the State of California, hereby certify:

That the attached transcript has been compared with the record on file in this office, of which it purports to be a copy, and that it is full, true and correct.

> IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this

> > - JUN 3 0 1997



Billens

Secretary of State